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# Plant Variety Protection Office Official Journal

Volume 27, Number 2  
April 1 - June 30, 1999



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## PREFACE

The Plant Variety Protection Act (7 U.S.C. 2321 et seq.) authorizes the Secretary of Agriculture to publish an "Official Journal" to provide the public with information relating to the operations of the Plant Variety Protection Office. The statute also authorizes the Secretary to disseminate technological and other information that encourages innovation and progress in plant breeding.

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## CONTENTS

PAGE

I.	APPLICATIONS:	Actions taken	
		April 1 through June 30, 1999	
	a)	Received.....	1
	b)	Amended.....	7
II.	CERTIFICATES:	Actions taken	
		April 1 through June 30, 1999	
	a)	Applications Abandoned, Withdrawn, Denied or Ineligible.....	10
	b)	Issued, and Novelty Based on the Applicant's Claim.....	11
	c)	Amended.....	20
	d)	Expired.....	23
III.	GENERAL INFORMATION.....		25





APPLICATIONS RECEIVED  
APRIL 1, 1999 TO JUNE 30, 1999

Applications for protection have been filed for the following varieties. Each application has been assigned an application number and will be examined to determine whether the variety is entitled to a certificate of protection. The seed of these varieties may be labeled "Unauthenticated Propagation Prohibited - U.S. Variety Protection Applied For - PIPA 1994."

<u>APPL. NO.</u>	<u>VARIETY</u>	<u>CLASSES</u>	<u>APPLICATION DATE</u>	<u>NAME OF APPLICATION</u>
BEAN, FIELD				
9900242	Buster		04/07/1999	Seminis Vegetable Seeds, Inc.
9900243	Cabernet		04/07/1999	Seminis Vegetable Seeds, Inc.
9900244	Hooper		04/07/1999	Seminis Vegetable Seeds, Inc.
9900245	Chardonnay		04/07/1999	Seminis Vegetable Seeds, Inc.
9900246	McHale		04/07/1999	Seminis Vegetable Seeds, Inc.
9900247	<EX 8550547>		04/07/1999	Seminis Vegetable Seeds, Inc.
9900255	Elizabeth		04/21/1999	Fox Bean Co.
9900263	<R06_331>		04/02/1999	Novartis Seeds, Inc.
9900267	GTS_401		04/06/1999	Gen-Tec Seeds, Limited
9900273	<R06372>		04/22/1999	Novartis Seeds, Inc.
BERMUDAGRASS				
9900248	Mohawk	(2)	04/02/1999	Seeds West Inc.
BLUEGRASS, KENTUCKY				
9900350	Brilliant		06/30/1999	Pure-Seed Testing, Inc.
CHICKPEA				
9900290	Stan		05/17/1999	Conagra, Inc.
CORN, FIELD				
9900355	NP2208		06/30/1999	Novartis Seeds, Inc.
9900356	PH0WD		06/14/1999	Pioneer Hi-Bred International, Inc.
COTTON				
9900274	AP 7115		04/26/1999	Agripro Seeds, Inc., a business unit of Garst Seed Company
9900291	DP 422 B/RR		05/18/1999	Delta and Pine Land Company d/b/a Deltapine Seed
9900292	DP 337 B		05/18/1999	Delta and Pine Land Company d/b/a Deltapine Seed
9900293	DP 450 B/RR		05/18/1999	Delta and Pine Land Company d/b/a Deltapine Seed
9900294	DP 451 B/RR		05/18/1999	Delta and Pine Land Company d/b/a Deltapine Seed

## COTTON (continued)

9900295	DP 215 B	05/18/1999	Delta and Pine Land Company d/b/a Deltapine Seed
9900296	DP 409 B/RR	05/18/1999	Delta and Pine Land Company d/b/a Deltapine Seed
9900297	DP 429 RR	05/18/1999	Delta and Pine Land Company d/b/a Deltapine Seed
9900299	Sure-Grow 125B/R	05/18/1999	Sure-Grow Seed, Inc.
9900300	Sure-Grow 585B	05/18/1999	Sure-Grow Seed, Inc.
9900301	Sure-Grow 585R	05/18/1999	Sure-Grow Seed, Inc.
9900302	Sure-Grow 125R	05/18/1999	Sure-Grow Seed, Inc.
9900303	Sure-Grow 501B/R	05/18/1999	Sure-Grow Seed, Inc.
9900321	BR9605	06/14/1999	Buttonwillow Cotton Research, LLC
9900322	BR9801	06/14/1999	Buttonwillow Cotton Research, LLC
9900349	Sure-Grow 622	06/28/1999	Sure-Grow Seed, Inc.
9900398	Ligur	05/27/1999	Seed Source, Inc.

## LETTUCE

9900249	Invader	04/09/1999	Seminis Vegetable Seeds, Inc.
9900254	Silverado	04/20/1999	Coastal Seeds, Inc.
9900259	Ponderosa	04/19/1999	Coastal Seeds, Inc.
9900307	PX634B	05/18/1999	Progeny Advanced Genetics, Inc.
9900343	Mendoza	06/22/1999	Rijk Zwaan Zaadteelt en Zaadhandel B.V.
9900348	North Star	06/23/1999	Paragon Seed, Inc.

## MEADOWFOAM

9900298	Knowles	05/21/1999	State of Oregon, acting and through the State Board of Higher Education on behalf of Oregon State University
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## MUSKMELON

9900344	90-906	06/22/1999	Novartis Seeds, Inc.
9900345	90-905	06/22/1999	Novartis Seeds, Inc.

## OAT

9900339	Jay	06/18/1999	Director Purdue University Agricultural Research Program
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## ONION

9900334	<PS290311>	06/16/1999	Seminis Vegetable Seeds, Inc.
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(\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.  
 < > Identifies temporary designations.

APPLICATIONS RECEIVED APRIL 1, 1999 TO JUNE 30, 1999

<u>APPL. NO.</u>	<u>VARIETY</u>	<u>CLASSES</u>	<u>APPLICATION DATE</u>	<u>NAME OF APPLICATION</u>
PAPAYA 9900268	UH SunUP		04/22/1999	Cornell Research Foundation, Inc. University of Hawaii at Manoa United States of America As Represented By The Secretary of Agriculture (USDA)
9900270	UH Rainbow	(1)	04/22/1999	Cornell Research Foundation, Inc. University of Hawaii at Manoa United States of America As Represented By The Secretary of Agriculture (USDA)
PEA 9900260 9900269 9900272	Gemini Recruit <XP 384>		04/19/1999 04/26/1999 04/29/1999	Advanta Seeds UK Limited Pure Line Seeds, Inc. Seminis Vegetable Seeds, Inc.
PEANUT 9900337 9900338	Gregory Coan	(1)	06/11/1999 06/18/1999	North Carolina Agricultural Research Service Dr. Thomas G. Isleib (breeder) Texas Agricultural Experiment Station
POTATO, IRISH 9900261 9900271 9900313 9900335	Baltica Sirius NL10-FL1988 Umatilla Russet		04/19/1999 04/19/1999 05/28/1999 05/24/1999	SAKA-RAGIS Pflanzenzucht GbR SAKA-RAGIS Pflanzenzucht GbR Monsanto State of Oregon, by and through the State Board of Higher Education on behalf of Oregon State University

POTATO, IRISH (continued)					State of Oregon, by and through the State Board of Higher Education on behalf of Oregon State University Hettema B.V.
9900336	Russet Legend	05/24/1999			
9900342	Apriori	06/22/1999			
RICE					
9900308	Calmati-201	05/24/1999			California Cooperative Rice Research Foundation, Inc.
9900309	L-205	05/24/1999			California Cooperative Rice Research Foundation, Inc.
9900310	Calnikari-201	05/24/1999			California Cooperative Rice Research Foundation, Inc.
9900311	M-402	05/24/1999			California Cooperative Rice Research Foundation, Inc.
SOYBEAN					
9900256	MFS-591	04/21/1999			Virginia Agricultural Experiment Station
9900257	SG 759 RR	04/14/1999			Sure Grow Seed, Inc.
9900264	TV4975	04/23/1999			Terral Seed, Inc.
9900276	CX433RR	05/07/1999			DEKALB Genetics Corporation
9900277	CX262RR	05/07/1999			DEKALB Genetics Corporation
9900278	CX414cRR	05/07/1999			DEKALB Genetics Corporation
9900279	CX300	05/07/1999			DEKALB Genetics Corporation
9900280	CX405RR	05/07/1999			DEKALB Genetics Corporation
9900281	CX299c	05/07/1999			DEKALB Genetics Corporation
9900282	CX207c	05/07/1999			DEKALB Genetics Corporation
9900283	CX383RR	05/07/1999			DEKALB Genetics Corporation
9900284	Dp 6926	05/05/1999			Delta and Pine Land Company d/b/a Deltapine Seed
9900285	Dp 5915 RR	05/05/1999			Delta and Pine Land Company d/b/a Deltapine Seed
9900286	Dp 5718 RR	05/05/1999			Delta and Pine Land Company d/b/a Deltapine Seed
9900287	Dp 4748	05/07/1999			Delta and Pine Land Company d/b/a Deltapine Seed
9900312	TJS 410	06/04/1999			T J Seed Co.
9900314	S24 - L2	05/21/1999			Novartis Seeds, Inc.
9900315	S42 - H1	05/21/1999			Novartis Seeds, Inc.
9900316	S14 - U4	05/21/1999			Novartis Seeds, Inc.
9900317	S19 - T9	05/21/1999			Novartis Seeds, Inc.
9900318	S20 - F8	05/21/1999			Novartis Seeds, Inc.
9900319	S30 - J2	05/21/1999			Novartis Seeds, Inc.

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APPLICATIONS RECEIVED  
APRIL 1, 1999 TO JUNE 30, 1999

<u>APPL. NO.</u>	<u>VARIETY</u>	<u>CLASSES</u>	<u>APPLICATION DATE</u>	<u>NAME OF APPLICATION</u>
SQUASH 9900258	<PMR Butternut>		05/10/1999	Cornell University Experiment Station and Molly K. Jahn
SUNFLOWER 9900324 9900325 9900326	63W80 D1168 63W91		06/15/1999 06/15/1999 06/15/1999	Pioneer Hi-Bred International, Inc. Pioneer Hi-Bred International, Inc. Pioneer Hi-Bred International, Inc.
SUNFLOWER (continued) 9900327 9900328 9900329 9900330 9900331 9900332 9900333	63A21 63A70 PH4344 PH4283 PH4335 C9607CM 63C40		06/15/1999 06/15/1999 06/15/1999 06/15/1999 06/15/1999 06/15/1999 06/15/1999	Pioneer Hi-Bred International, Inc. Pioneer Hi-Bred International, Inc. Pioneer Hi-Bred International, Inc. Pioneer Hi-Bred International, Inc. Pioneer Hi-Bred International, Inc. Pioneer Hi-Bred International, Inc. Pioneer Hi-Bred International, Inc.
WATERMELON 9900253	<W-9811>		04/20/1999	Abbott & Cobb, Inc.
WHEAT, COMMON 9900350 9900351 9900262 9900304 9900305 9900320 9900323 9900340 9900341	Ransom 485 25W60 Thunderbolt Gibson Argent Ontario Goldfield Weatherford	(3)  (3) (3) (3) (3) (2)	04/12/1999 04/06/1999 04/20/1999 05/27/1999 05/27/1999 06/10/1999 06/08/1999 06/18/1999 06/23/1999	NSU Research Foundation Merrill and C. Lorene Lewis dba Fossum Cereals Pioneer Hi-Bred International, Inc. HybriTech U.S., a unit of Monsanto Company HybriTech U.S., a unit of Monsanto Company NSU Research Foundation HybriTech U.S., a unit of Monsanto Company Director Purdue University Agricultural Research Program State of Oregon, by and through the State Board of Higher Education on behalf of Oregon State University Pioneer Hi-Bred International, Inc. Pioneer Hi-Bred International, Inc.
9900346 9900347	26R61 26R46		06/22/1999 06/22/1999	

APPLICATIONS RECEIVED  
APRIL 1, 1999 TO JUNE 30, 1999

<u>APPL. NO.</u>	<u>VARIETY</u>	<u>CLASSES</u>	<u>APPLICATION DATE</u>	<u>NAME OF APPLICATION</u>
WHEAT, DURUM				
9900265	Maier		04/23/1999	NDSU Research Foundation
9900266	Mountrail		04/23/1999	NDSU Research Foundation
9900306	Kari	(3)	05/27/1999	HybriTech U.S., a unit of Monsanto Company

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< > Identifies temporary designations.

APPLICATIONS AMENDED  
APRIL 1, 1999 TO JUNE 31, 1999

Information concerning the varieties below has been published previously in the "Official Journal's" list of applications received. During the examination process, the applicant requested this information be amended as indicated below.

APPL. NO.	VARIETY	CLASSES	APPLICATION DATE	NAME OF OWNER
CARROT 9900093	Betaking		12/07/1998	Texas Agricultural Experiment Station
	Variety name changed from 'BetaSweet' to 'Betaking'.			
FESCUE, TALL 9900111	Wildfire		12/21/1998	Advanta Seeds Pacific, Inc.
	Variety name changed from 'Arcade' to 'Wildfire'.			
LETTUCE 9300287	<RS 0156>		08/13/1993	Seminis Vegetable Seeds, Inc.
	Name of owner changed from Petoseed Co., Inc. to Seminis Vegetable Seeds, Inc.			
9400181	Del Oro		05/16/1994	Seminis Vegetable Seeds, Inc.
	Name of owner changed from Petoseed Co., Inc. to Seminis Vegetable Seeds, Inc.			
9700035	Sharp Shooter		11/22/1996	Seminis Vegetable Seeds, Inc.
	Name of owner changed from Petoseed Co., Inc. to Seminis Vegetable Seeds, Inc.			
9700036	Redline		1/22/1996	Seminis Vegetable Seeds, Inc.
	Name of owner changed from Petoseed Co., Inc. to Seminis Vegetable Seeds, Inc.			
9700037	<PSR 3127>		11/22/1996	Seminis Vegetable Seeds, Inc.
	Name of owner changed from Petoseed Co., Inc. to Seminis Vegetable Seeds, Inc.			

LETTUCE (continued)			
9700038	<PSR 64289>	11/22/1996	Seminis Vegetable Seeds, Inc.
	Name of owner changed from Petoseed Co., Inc. to Seminis Vegetable Seeds, Inc.,		
9700039	<PSR 69292>	11/22/1996	Seminis Vegetable Seeds, Inc.
	Name of owner changed from Petoseed Co., Inc. to Seminis Vegetable Seeds, Inc.		
9700040	<PSR 77393>	11/22/1996	Seminis Vegetable Seeds, Inc.
	Name of owner changed from Petoseed Co., Inc. to Seminis Vegetable Seeds, Inc.		
PEPPER			
9400086	R & C Cayenne	01/31/1994	Seminis Vegetable Seeds, Inc.
	Name of owner changed from Petoseed Co., Inc. to Seminis Vegetable Seeds, Inc.		
9500053	Taurus	11/15/1994	Novartis Seeds, Inc.
	Variety with temporary designation <6047A> named 'Taurus'.		
9600205	DMC 58-218	03/22/1996	Del Monte Corporation
	Variety with temporary designation <DMX 58-218> named 'DMC 58-218'.		
9600206	DMC 58-214	03/22/1996	Del Monte Corporation
	Variety with temporary designation <DMX 58-214> named 'DMC 58-214'.		
9800053	Okala	12/30/1997	Oklahoma Agricultural Experiment Station
	Variety name changed from 'Superhot' to 'Okala'.		

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< > Identifies temporary designations.



APPLICATIONS AMENDED  
APRIL 1, 1999 TO JUNE 30, 1999

APPL. NO.	VARIETY	CLASSES	APPLICATION DATE	NAME OF OWNER
SOYBEAN 9800162	DP 7731		03/16/1998	Delta and Pine Land Company d/b/a Deltapine Seed
	Variety with temporary designation <OPX 8S7E> named 'DP 7731'.			
VINCA 9800182	Mediterranean Lilac		04/16/1998	Waller Flowerseed Company
	Variety with temporary designation <Prostrate Lilac> changed to 'Mediterranean Lilac'.			

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< > Identifies temporary designations.

APPLICATIONS ABANDONED, WITHDRAWN, DENIED, OR INELIGIBLE  
APRIL 1, 1999 TO JUNE 30, 1999

Applications for the varieties listed below are no longer being considered for U.S. plant variety protection. Although propagation of these varieties is no longer prohibited by the U.S. Plant Variety Protection Act, varieties published in this list may possibly be protected under the Patent Act.

KIND	APPLICATION NUMBER	VARIETY
BLUEGRASS, ROUGH	9600025	ProAm
CORN, FIELD	9700081	QH101
LETTUCE	9300218	Top Gun
LETTUCE	9400070	Patriot
LETTUCE	9600262	Savannah Green
PEA, FIELD	9800190	Explorer (syn. LUPUS)
RYEGRASS, PERENNIAL	9600004	Advantage
SORGHUM	9200225	R160
SOYBEAN	9600062	9343

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< > Identifies temporary designations.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM  
APRIL 1, 1999 TO JUNE 30, 1999

CERT. NO.	VARIETY	1994 ACT	CLASSES	ISSUE DATE	NAME OF OWNER
ALFALFA 9500077	Rushmore			06/30/1999	Novartis Seeds, Inc.
	'Rushmore' is most similar to '330'; however, 'Rushmore' is highly resistant (61%) to Spotted Alfalfa Aphid ( <u>Therioaphis maculata</u> ), whereas '330' is resistant (36%).				
9500100	MagnaGraz			06/30/1999	Dairyland Seed Company, Inc.
	'MagnaGraz' is most similar to 'Answer'; however, 'MagnaGraz' is resistant (36%) to <u>Colletes trichum</u> trifolii, race 1, which causes Anthracnose, whereas 'Answer' has low resistance (14%) to that race of the pathogen. Also, 'MagnaGraz' is resistant (45%) to Spotted Alfalfa Aphid ( <u>Therioaphis maculata</u> ), whereas 'Answer' has low resistance (16%) to that pest.				
9500101	Magnum IV			06/30/1999	Dairyland Seed Company, Inc.
	'Magnum IV' is most similar to 'Saranac'; however, 'Magnum IV' has high resistance (56%) to <u>Phytophthora megasperma</u> f. sp. medicaginis, which causes Phytophthora Root Rot, whereas 'Saranac' is susceptible (3%) to that pathogen.				
9600331	Superba	Y		06/30/1999	Pioneer Hi-Bred International, Inc.
	'Superba' is most similar to 'Maricopa'; however, 'Superba' differs from 'Maricopa' in spotted alfalfa aphid ( <u>Therioaphis maculata</u> ) resistance (66 vs. 37 percent resistant, respectively).				
9600333	5939	Y		06/30/1999	Pioneer Hi-Bred International, Inc.
	'5939' is most similar to '5929'; however, '5939' differs from '5929' in reaction to <u>Colletes trichum</u> trifolii, the causal organism for anthracnose (35 vs. 01 % resistant, respectively).				
9700277	DK143	Y		06/30/1999	DEKALB Genetics Corporation
	'DK143' is most similar to 'DK127'; however, 'DK143' is resistant (40%) to <u>Aphanomyces euteiches</u> , which causes a root rot, whereas 'DK127' is highly resistant (57%) to that pathogen.				
9700299	DK141	Y		06/30/1999	DEKALB Genetics Corporation
	'DK141' is most similar to 'Rushmore'; however, 'DK141' is highly resistant (59%) to <u>Aphanomyces euteiches</u> race 2, which causes a root rot, whereas 'Rushmore' is susceptible (2%) to that pathogen.				

00077 Enola Y (2) 06/30/1999 POD - NERS, L.L.C.  
Enola 'Enola' is most similar to 'Azufrado Pimono 78'; however, 'Enola' has a lighter green leaf color than 'Azufrado Pimono 78'. (5GY 44/4 vs 5GY 5/6 Munsell color chart, respectively).

	Minnette	Y	06/30/1999	Harris Moran Seed Company
00218	Minnette			

"Minnette" is most similar to "Dandy"; however, "Minnette" has a darker green leaf color than "Dandy" (137A vs 141A RHS. Color Chart, respectively). Also, "Minnette" has a darker green pod color than "Dandy" (137B vs 137D RHS. Color chart, respectively).

Lopez  
00046      Lopez  
00047      'Lopez' is most similar to 'Penneagle', and 'Pennlinks'.  
00048      'Penneagle' has leaf anthocyanin and toothed ligule margins whereas  
00049      'Penneagle' and 'Pennlinks' do not have leaf  
00050      anthocyanin and have entire ligule margins.  
00051      Pro-Seeds Marketing, Inc.

Endura 06/30/1999 (\*) Wrightson Seeds Limited  
Endura is most similar to 'Rhizo'; however, 'Endura' reaches peak flowering over 7 days earlier than 'Rhizo'. Also, the petiole of 'Endura' is longer than that of 'Rhizo' (96 vs 82 mm, respectively).

Accession	Genotype	Date	Company
9600268	ZS01101	06/30/1999	Garst Seed Company
ZS01101' is most similar to 'LH82'. 'ZS01101' differs from 'LH82' in reaction to Gray Leaf Spot caused by (rated 7.0 vs 4.7) and Northern Leaf Blight caused by <i>Exserohilum turcicum</i> , (rated 8.5 vs 5.3). (Rating scale is from 1-9 where 9=most resistant).			
9600269	ZS01131	06/30/1999	Garst Seed Company
ZS01131' is most similar to 'ZS1022'. 'ZS01131' differs from 'ZS1022' in number of kernel rows (19 vs 10).			
9600270	ZS01228	05/28/1999	Garst Seed Company
ZS01228' is most similar to 'IC1581'. 'ZS01228' differs from 'IC1581' in presence of glume bars (absent s present).			

00273 ZS01459 Y  
'ZS01459' is most similar to 'LH145Ht' in anther color (light red (Munsell 2.5R 5/6) vs. light green with pink (Munsell 5YR 7/6)).  
06/30/1999 Garst Seed Company

- 12 -

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM  
APRIL 1, 1999 TO JUNE 30, 1999

CERT. NO.	VARIETY	1994 ACT	CLASSES	ISSUE DATE	NAME OF OWNER
ENDIVE 9100004	Priscilla			05/28/1999	Rijk Zwaan Zaadteelt en Zaadhandel B.V.
	'Priscilla' is most similar to 'Frida'; however, 'Priscilla' has lighter-colored leaves than 'Frida' (Royal Horticultural Society Colour Chart values: Old, outer leaves, 'Priscilla' 144B, 'Frida' 138B; leaves halfway towards center of head, 'Priscilla' 150C, 'Frida' 144B; young, inner leaves, 'Priscilla' 154D, 'Frida' 154C).				
MARIGOLD 9700108	Safari Red			05/28/1999	John Bodger & Sons Company
	'Safari Red' is most similar to 'Safari Scarlet' and 'Aurora Red'; 'Safari Red' differs from 'Safari Scarlet' in flower color (solid red (RHS 42A) vs orange-red (RHS 34A) with a gold margin). 'Safari Red' differs from 'Aurora Red' in petal form (smooth edges vs wavy edges).				
PEA 9300132	DMC 50-26			06/30/1999	Del Monte Corporation
	'DMC 50-28' is most similar to 'DMC 50-21' and 'DMC 50-33'; however, 'DMC 50-28' has an afila type foliage, whereas 'DMC 50-21' has a normal or standard type foliage. Also, 'DMC 50-28' is susceptible to race 1 of <i>Pseudomonas syringae</i> pv. <i>plasi</i> (bacterial blight), whereas, 'DMC 50-33' is moderately resistant, (7.0 vs 5.0, on a scale of 1-9 with 1=immune and 9=dead).				
9300139	DMC 50-71			06/30/1999	Del Monte Corporation
	'DMC 50-71' is most similar to 'Shield' and 'DMC 50-76'; however, 'DMC 50-71' has an afila type foliage, whereas 'Shield' has a normal or standard type foliage. Also, 'DMC 50-71' has a longer pod length than 'DMC 50-76' (82 vs 63 mm, respectively).				
9300141	DMC 50-78			06/30/1999	Del Monte Corporation
	'DMC 50-78' is most similar to 'Dinos'. However, 'DMC 50-78' is resistant to <i>Erysiphe plasi</i> , which causes powdery mildew, whereas 'Dinos' is susceptible.				
9300142	DMC 50-79			06/30/1999	Del Monte Corporation
	'DMC 50-79' is most similar to 'DMC 50-63', 'DMC 50-70', 'DMC 50-71', and 'DMC 50-76', and 'Shield'. However, 'DMC 50-79' produces 15 nodes to first bloom, whereas 'DMC 50-63' and 'DMC 50-70' produces 18 and 19 nodes to first bloom, respectively. Also, 'DMC 50-79' has normal or standard type foliage, whereas 'DMC 50-71' and 'DMC 50-76' have afila type foliage. Additionally, 'DMC 50-79' sets two pods per node, whereas 'Shield' sets three pods per node.				

PEA (continued)

9500145 DMC 50-82 05/28/1999  
 'DMC 50-82' is most similar to 'DMC 50-63' and 'DMC 50-71'; however, 'DMC 50-82' has a fasciated stem, whereas 'DMC 50-63' and 'DMC 50-71' do not. Also, 'DMC 50-82' has a filia type foliage, whereas 'DMC 50-63' has normal or standard type foliage.

PEPPER

9500317 Autopick Y 06/30/1999  
 'Autopick' is most similar to 'Jalapeno'. 'Autopick' differs from 'Jalapeno' in immature fruit color (light green (Munsell 5GY 6/10) vs dark green (Munsell 7.5GY 4/6)), mature fruit color (red (Munsell 7.5R 5/6) vs red-purple (Munsell 7.5RP 3/2)), and fruit detachment site (between the fruit base and calyx vs along the peduncle).

9600206 DMC 58-214 Y 06/30/1999  
 'DMC 58-214' is most similar to 'Jalapeno M' and 'Mitla'. 'DMC 58-214' differs from 'Jalapeno M' in plant height (71 vs 81 cm) and ability to destem without damage to the pod (80% vs 28%). 'DMC 58-214' differs from 'Mitla' in maturity from direct seeding to green stage (161 vs 145 days), plant height (71 vs 62 cm), and ability to destem without damage to the pod (80% vs 48%).

RADISH

9600111 Krasna Y 06/30/1999  
 'Krasna' is most similar to 'Fuego' and 'Red Silk'. 'Krasna' reaches market maturity 2 days earlier than 'Red Silk' and 2-4 days earlier than 'Fuego'. Under adverse wet conditions in the fall, 'Krasna' continues to produce globe shaped roots (index of 10-12), but 'Red Silk' and 'Fuego' roots become elongated (index of 26 and 15-19 respectively).

RYEGRASS, PERENNIAL

9100214 Quickstart Y 06/30/1999  
 'Quickstart' is most similar to 'Citation II' and 'Assure'; however, 'Quickstart' has more tillers per 5" row than 'Citation II' (121 vs 94) and 'Assure' (121 vs 76). 'Quickstart' has a shorter mature plant height (83 vs 96cm) than 'Citation II' and has a 50% heading date 8 days earlier than 'Assure'.

9100215 Advent Y 06/30/1999  
 'Advent' is most similar to 'Pinnacle'; however, 'Advent' has a shorter culm length from the crown to the flag leaf collar (25 vs 28cm) than 'Pinnacle'.

9200141 Gettysburg 05/28/1999

'Gettysburg' is most similar to 'Pinnacle' and 'Sherwood'; however, 'Gettysburg' has a shorter mature plant height than 'Pinnacle' (45 vs 60cm) and 'Sherwood' (45 vs 68cm). 'Gettysburg' has a shorter flag leaf (12 vs 14cm) than 'Sherwood'. 'Gettysburg' has a shorter spike length than 'Pinnacle' (12 vs 16cm) and 'Sherwood' (12 vs 17cm).

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CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM  
APRIL 1, 1999 TO JUNE 30, 1999

<u>CERT. NO.</u>	<u>VARIETY</u>	<u>1994 ACT</u>	<u>CLASSES</u>	<u>ISSUE DATE</u>	<u>NAME OF OWNER</u>
RVEGRASS, PERENNIAL (continued)					
9200202	Brightstar	Y		06/30/1999	Pure-Seed Testing, Inc.
	'Brightstar' is most similar to 'Seville'; however, 'Brightstar' has a shorter mature plant height (75 vs 89 cm) and spike length (18 vs 22 cm) than 'Seville'. 'Brightstar' has more tillers per 5 inches of row (122 vs 98 tillers/5 inches) than 'Seville'.				
9200209	Palmer II	Y		06/30/1999	Lofts Seed Company, Inc.
	'Palmer II' is most similar to 'Palmer'; however, 'Palmer II' has a shorter mature plant height (84 vs 100cm) than 'Palmer				
9200210	Prelude II	Y		06/30/1999	Lofts Seed Company, Inc.
	'Prelude II' is most similar to 'Repell II'; however, 'Prelude II' has a longer spike length (22 vs 20cm) and a heavier spike weight (0.433 vs 0.285mg) than 'Repell II'.				
9200266	Delaware Dwarf			06/30/1999	Pickseed West, Inc.
	'Delaware Dwarf' is most similar to 'Cutter'; however, 'Delaware Dwarf' is more susceptible to crown rust (3.7 vs 5.7; 1-9 scale; 9=most Resistant) than 'Cutter'.				
9300034	Navajo	Y		06/30/1999	Pure-Seed Testing, Inc.
	'Navajo' is most similar to 'Manhattan II'; however, 'Navajo' has a shorter mature plant height (66 vs 75cm), a shorter flag leaf length (12 vs 16cm) and more tillers per 5 inch row (100 vs 76) than 'Manhattan II'.				
9300100	APM	Y		06/30/1999	Jacklin Seed Company
	'APM' is most similar to 'Pinnacle'; however, 'APM' has a shorter average plant height (72 vs 82 cm) than 'Pinnacle'.				
9300129	Prizm	Y		06/30/1999	Pure-Seed Testing, Inc.
	'Prizm' is most similar to 'Manhattan II' and 'Brightstar'; however, 'Prizm' is shorter (71 vs 77cm) than 'Manhattan II' and taller than (71 vs 65cm) than 'Brightstar'.				
9300240	89-90			05/28/1999	Mid-Valley Farms, Inc.
	'89-90' is most similar to 'Gettysburg'; however, '89-90' has a taller average plant height (77 vs 54cm) than 'Gettysburg'.				
SORGHUM					
9200259	PH538	Y		06/30/1999	Pioneer Hi-Bred International, Inc.
	'PH538' is most similar to 'TX3042'; however, 'PH538' has a light tan glume color and a white seed color, whereas 'TX3042' has a black glume color and a red seed color.				

SORGHUM (continued)					
9200260	PHB122 <sup>*</sup>	Y	05/28/1999	Pioneer Hi-Bred International, Inc.	
	'PHB122' is most similar to 'TX3042'; however, 'PHB122' has a light tan glume and awns present.				
9200261	PHB118	Y	06/30/1999	Pioneer Hi-Bred International, Inc.	
	'PHB118' is most similar to 'BTX631'; however, 'PHB118' has an erect rachis branch attitude.				
9200262	PHA118	Y	06/30/1999	Pioneer Hi-Bred International, Inc.	
	'PHA118' is most similar to 'BTX631'; however, 'PHA118' has an erect rachis branch attitude. 'PHA118' and 'PHB118' have the same pedigree, except 'PHA118' as the male sterile line has an A1 cytoplasm, and 'PHB118' as the maintainer line has a normal cytoplasm.				
9200263	PHA122	Y	06/30/1999	Pioneer Hi-Bred International, Inc.	
	'PHA122' is most similar to 'TX3042'; however, 'PHA122' has a light tan glume and awns present. 'PHA122' and 'PHB122' have the same pedigree, except 'PHA122' as the male sterile line has an A1 cytoplasm, and 'PHB122' as the maintainer line has a normal cytoplasm.				
9300309	PHA391	Y	06/30/1999	Pioneer Hi-Bred International, Inc.	
	'PHA391' is most similar to 'RTX430'; however, 'PHA391' has an obovate panicle shape and a white endosperm, whereas 'RTX430' has a cylindrical panicle shape and a yellow endosperm.				
9300310	PHA651	Y	06/30/1999	Pioneer Hi-Bred International, Inc.	
	'PHA651' is most similar to 'RTX430'; however, 'PHA651' has a tan plant color, whereas 'RTX430' has a purple plant color.				
9400002	PHA151	Y	06/30/1999	Pioneer Hi-Bred International, Inc.	
	'PHA151' is most similar to 'TX2752'; however, 'PHA151' has a light tan glume color, whereas 'TX2752' has a mahogany glume color.				
9400003	PHB151	Y	06/30/1999	Pioneer Hi-Bred International, Inc.	
	'PHB151' is most similar to 'TX2752'; however, 'PHB151' has a light tan glume color, whereas 'TX2752' has a mahogany glume color. 'PHB151' and 'PHA151' have the same pedigree, except 'PHB151' as the maintainer line has a normal cytoplasm, and 'PHA151' as the male sterile line has an A1 cytoplasm.				

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CERTIFICATES ISSUED, AND NOVELTY BASED ON, APPLICANT'S CLAIM  
APRIL 1, 1999 TO JUNE 30, 1999

<u>CERT. NO.</u>	<u>VARIETY</u>	<u>1994 ACT</u>	<u>CLASSES</u>	<u>ISSUE DATE</u>	<u>NAME OF OWNER</u>
SORGHUM (continued)					
9600221	PHW1ABQE	Y		05/28/1999	Pioneer Hi-Bred International, Inc.
	'PHW1ABQE' is most similar to 'TX430'; however, 'PHW1ABQE' has a white endosperm and an oval panicle shape, whereas 'TX430' has a yellow endosperm and a cylindrical panicle shape.				
9600222	PHB1CGQF	Y		06/30/1999	Pioneer Hi-Bred International, Inc.
	'PHB1CGQF' is most similar to 'BTX2752'; however, 'PHB1CGQF' has a cylindrical panicle shape and the central rachis length is 100% of the panicle length, whereas 'BTX2752' has a conical panicle shape and the central rachis length is 75% of the panicle length.				
9700054	PH387LM	Y		06/30/1999	Pioneer Hi-Bred International, Inc.
	'PH387LM' is most similar to 'TX2737'; however, 'PH387LM' has a light red seed color, whereas 'TX2737' has a white seed color.				
9700093	PH4KNYE	Y		05/28/1999	Pioneer Hi-Bred International, Inc.
	'PH4KNYE' is most similar to 'Redlan'; however, 'PH4KNYE' has a white seed color and a red glume color, whereas 'Redlan' has a red seed color and a tan glume color.				
9800110	PHBCWNL	Y		06/30/1999	Pioneer Hi-Bred International, Inc.
	'PHBCWNL' is most similar to 'TX2752'; however, 'PHBCWNL' has a cylindrical panicle shape; whereas 'TX2752' has a conical panicle shape.				
9800111	PHBEP0VJ	Y		06/30/1999	Pioneer Hi-Bred International, Inc.
	'PHBEP0VJ' is most similar to 'TX3042'; however, 'PHBEP0VJ' has a mahogany glume color and a short glume length, whereas 'TX3042' has a black glume color and a intermediate glume length.				
SORGHUM-SUDANGRASS					
9500047	WKM IV	Y		06/30/1999	Walter K. Moss
	'WKM IV' is most similar to 'Greenleaf'; however, 'WKM IV' has a light red seed color, whereas 'Greenleaf' has a brown seed color.				

SOYBEAN	CF 492	Y	(2)	05/28/1999	Kentucky Agricultural Experiment Station
9500235	CF 492				
	CF 492 is most similar to 'Hutcheson', 'Clifford', 'Ripley', and 'Calhoun'. However, 'CF 492' may be distinguished in that 'CF 492' has white flowers, tawny pubescence, and is in the IV, 9 maturity group. In contrast, 'Hutcheson' is in the V, 8 maturity group, 'Clifford' has tawny pubescence, and 'Ripley' and 'Calhoun' have purple flowers.				
9800027	Derry	Y	(3)	06/30/1999	Agricultural Research Service USDA
	'Derry' is most similar to the varieties 'Donegal' and 'Tyronne'. However, 'Derry' has tawny pubescence, a spherica seed shape, and a shiny seed coat luster, whereas 'Tyronne' has gray pubescence, and 'Donegal' has elongate shaped seeds with a dull seed coat luster.				
9800028	Donegal	Y	(3)	06/30/1999	Agricultural Research Service USDA
	'Donegal' is most similar to the varieties 'Derry' and 'Tyronne'. However, 'Donegal' has tawny pubescence, an elongate seed shape, and a dull seed coat luster, whereas 'Tyronne' has gray pubescence, and 'Derry' has spherically shaped seed with a shiny seed coat luster.				
9800029	Tyronne	Y	(3)	06/30/1999	Agricultural Research Service USDA
	'Tyronne' is most similar to the varieties 'Derry' and 'Donegal'. However, 'Tyronne' has gray pubescence, and seeds with a buff hila color, whereas 'Derry' and 'Donegal' have tawny pubescence and seeds with black colored hila.				
9800042	Terral TV5666RR	Y		06/30/1999	Terral Seed, Inc.
	Terral TV5666RR is most similar to the varieties 'Hutcheson' and 'A5403'. However, 'Terral TV5666RR' is tolerant to glyphosate herbicides and is susceptible to races 1 and 3 of the Soybean Cyst Nematode, whereas 'Hutcheson' and 'A5403' are susceptible to glyphosate herbicides, and 'A5403' is resistant to races 1 and 3 of Soybean Cyst Nematode.				
WHEAT, COMMON	Estica	Y	(3)	05/28/1999	CEBECO ZADEN B.V.
9500068	Estica				
	'Estica' is most similar to 'Arminda', 'Ritmo', and 'Tessa'. 'Estica' differs from 'Arminda' in flagleaf length (22 vs 18 cm respectively), 'Estica' differs from 'Obelisk' in plant height (92 vs 101 cm respectively), 'Estica' differs from 'Ritmo' in flagleaf length (22 vs 18 cm respectively), 'Estica' differs from 'Tessa' in flagleaf length (22 vs 19 cm respectively).				
9600156	Jaypee	Y	(*)	06/30/1999	Dr. Robert Bacon
	'Jaypee' is most similar to 'Coker 9543'; however, 'Jaypee' has an acuminate beak on the glume, whereas 'Coker 9543' has an acute beak on the glume. Also, 'Jaypee' has a wanting shoulder shape on the glume, whereas 'Coker 9543' has an round shoulder shape on the glume.				

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APRIL 1, 1999 TO JUNE 30, 1999

<u>CERT. NO.</u>	<u>VARIETY</u>	<u>1994 ACT</u>	<u>CLASSES</u>	<u>ISSUE DATE</u>	<u>NAME OF OWNER</u>
WHEAT, COMMON (continued) 9600342	NuWest	Y	(3)	06/30/1999	Research and Development Institute, Inc.
	'NuWest' is most similar to 'Rocky'; however, 'NuWest' has white kernels, whereas the kernels of 'Rocky' are red.				
9700066	Coker 9663	Y	(3)	06/30/1999	Novartis Seeds, Inc.
	'Coker 9663' is most similar to 'Hickory'; however, 'Coker 9663' differs from 'Hickory' in coleoptile color (purple vs. white, respectively).				
9700150	Oxen	Y	(3)	06/30/1999	South Dakota Agricultural Experiment Station
	'Oxen' is most similar to '2375' and '2398'; however, 'Oxen' shows different PAGE electrophoresis banding patterns reflecting different high molecular-weight genetic markers possessed by 'Oxen' compared to '2375' and '2398'.				

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CERTIFICATES AMENDED  
APRIL 1, 1999 TO JUNE 30, 1999

The following certificates have been amended in accordance with sections 97.103, 97.122, and 97.130 of the Regulations and Rules of Practice under the Plant Variety Protection Act.

CERT. NO.	VARIETY	CLASSES	ISSUE DATE	NAME OF OWNER
CELERY 9300001	Peto 285		11/30/1994	Seminis Vegetable Seeds, Inc.
Name of owner changed from Petoseed Co., Inc. to Seminis Vegetable Seeds, Inc.				
LETTUCE 8400001	Red Sails		09/30/1986	Seminis Vegetable Seeds, Inc.
Name of owner changed from Petoseed Co., Inc. to Seminis Vegetable Seeds, Inc.				
8600150	Bounty		03/31/1989	Seminis Vegetable Seeds, Inc.
Name of owner changed from Petoseed Co., Inc. to Seminis Vegetable Seeds, Inc.				
9200010	Augustus		01/29/1993	Seminis Vegetable Seeds, Inc.
Name of owner changed from Petoseed Co., Inc. to Seminis Vegetable Seeds, Inc.				
9200011	Romulus		10/30/1992	Seminis Vegetable Seeds, Inc.
Name of owner changed from Petoseed Co., Inc. to Seminis Vegetable Seeds, Inc.				
9200207	Sedona		01/30/1996	Seminis Vegetable Seeds, Inc.
Name of owner changed from Petoseed Co., Inc. to Seminis Vegetable Seeds, Inc.				
9400202	Del Rio		01/29/1999	Seminis Vegetable Seeds, Inc.
Name of owner changed from Petoseed Co., Inc. to Seminis Vegetable Seeds, Inc.				

ONION			
9400254	Red Star	06/28/1996	Seminis Vegetable Seeds, Inc.
	Name of owner changed from Petoseed Co., Inc. to Seminis Vegetable Seeds, Inc.		
PEPPER			
9000220	Capistrano	09/30/1994	Seminis Vegetable Seeds, Inc.
	Name of owner changed from Petoseed Co., Inc. to Seminis Vegetable Seeds, Inc.		
9100206	Sonora Anaheim	11/30/1992	Seminis Vegetable Seeds, Inc.
	Name of owner changed from Petoseed Co., Inc. to Seminis Vegetable Seeds, Inc.		
TOMATO			
8100159	Peto 94C	03/24/1983	Seminis Vegetable Seeds, Inc.
	Name of owner changed from Petoseed Co., Inc. to Seminis Vegetable Seeds, Inc.		
8100160	Peto 95-43	03/24/1983	Seminis Vegetable Seeds, Inc.
	Name of owner changed from Petoseed Co., Inc. to Seminis Vegetable Seeds, Inc.		
8300008	Peto 460	07/26/1985	Seminis Vegetable Seeds, Inc.
	Name of owner changed from Petoseed Co., Inc. to Seminis Vegetable Seeds, Inc.		
8300009	Peto 343	07/26/1985	Seminis Vegetable Seeds, Inc.
	Name of owner changed from Petoseed Co., Inc. to Seminis Vegetable Seeds, Inc.		
8300035	Rio Colorado	06/28/1985	Seminis Vegetable Seeds, Inc.
	Name of owner changed from Petoseed Co., Inc. to Seminis Vegetable Seeds, Inc.		

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 < > Identifies temporary designations.

CERTIFICATES AMENDED  
APRIL 1, 1999 TO JUNE 30, 1999

CERT. NO.	VARIETY	CLASSES	ISSUE DATE	NAME OF OWNER
TOMATO (continued) 8500174	P-19		03/31/1988	Seminis Vegetable Seeds, Inc.
	Name of owner changed from Petoseed Co., Inc. to Seminis Vegetable Seeds, Inc.			
8600136	Peto 111		02/28/1989	Seminis Vegetable Seeds, Inc.
	Name of owner changed from Petoseed Co., Inc. to Seminis Vegetable Seeds, Inc.			

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< > Identifies temporary designations.

CERTIFICATES EXPIRED  
APRIL 1, 1999 TO JUNE 30, 1999

The term of protection has expired for the certificates listed below. The U.S. Plant Variety Protection Act no longer prohibits the unauthorized propagation of these varieties nor requires them to be sold by variety name only as a class of certified seed. However, varieties published in this list may possibly be protected under the Patent Act.

CERT. NO.	VARIETY	EXPIRATION DATE	NAME OF OWNER
ALFALFA 8000035	Voris A77	05/14/1999	Lathrop & Gage L.C.
BEAN, GARDEN 8000110	Gourmet	04/16/1999	Royal Sluis B.V.
BEAN, LIMA 8100044	Maffei 8	04/16/1999	L. D. Maffei Seed Company, Inc.
BLUEGRASS, KENTUCKY 8100011	America	06/11/1999	International Seeds, Inc.
COSMOS 8100045	Sunny Gold	06/11/1999	John Bodger and Sons Company
COTTON 7900024 8000080 8000081 8000129	Stoneville 825 Paymaster 145 Paymaster 404 Dunn 224	06/11/1999 05/14/1999 04/16/1999 05/14/1999	Stoneville Pedigreed Seed Company, Inc. Delta and Pine Land Company Delta and Pine Land Company Dunn Seed Farms, Inc.
FESCUE, HARD 7900069	Silvana	06/11/1999	D.J. van der Have B.V.
FESCUE, TALL 8000153	Rebel	05/14/1999	Lofts Seed Company, Inc.
ONTON 8000159	Texspan PRR	06/11/1999	Sunseeds Company

PEA			
8000112	Caprice	06/11/1999	Seminis Vegetable Seeds, Inc.
8000157	Bellroy	06/11/1999	Ardie G. Gustafson, Seedsman
RYEGRASS, PERENNIAL			
7800070	Barry	05/14/1999	Barenbrug Holland B.V.
SOYBEAN			
7900065	Vickery	05/14/1999	Iowa Agriculture and Home Economics Experiment Station
8000070	HP 20-20	04/16/1999	Agripro Seeds, Inc.
8000125	L4404	05/14/1999	Land O'Lakes, Inc.
8100005	AP 250	06/11/1999	Agripro Seeds, Inc.
8100007	HS 220	04/16/1999	Agripro Seeds, Inc.
8100009	HS 265	06/11/1999	Agripro Seeds, Inc.
8100016	GT 1440	06/11/1999	Agripro Seeds, Inc.
8100023	DSR-232	06/11/1999	Dairyland Seed Company, Inc.
8100038	2981	05/14/1999	Pioneer Hi-Bred International, Inc.



## References

Plant Variety Protection Act: Public Law 91-577, 84 Stat. 1542-1559: 1970  
as amended by:  
Public Law 96-574, 94 Stat. 3350-3352. Sec. 1-19; Dec. 22, 1980  
Public Law 97-164, 96 Stat. 37-38, 41, and 45. Sec. 127, 134, 145; April 2, 1982  
Public Law 100-203, 101 Stat. 1330-28, Sec. 1505; Dec. 22, 1987  
Public Law 102-560, 106 Stat. 4231, 4232. Sec. 3; Oct. 28, 1992  
Public Law 103-349, 108 Stat. 3136-3145. Sec. 1-15; Oct. 6, 1994  
Public Law 104-127, 110 Stat. 1186, Sec. 913; April 4, 1996  
and  
Regulations and Rules of Practice, 7 CFR, Part 97, as of January.

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